

LOG OF BORING NO. 1		Page 1 of 1		
CLIENT		PROJECT		
Teng & Associates, Inc. High Road and 143rd Street Lockport, Illinois		High Road Bridge Replacement		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 800 ft. 0.5' Approx. 9" Asphalt pavement LEAN CLAY, TRACE SAND AND GRAVEL brown and brownish gray very stiff with occasional sand and silt seams 13' SILTY CLAY, TRACE SAND AND GRAVEL gray medium stiff 16' HIGHLY WEATHERED TO WEATHERED LIMESTONE, WITH CLAY AND SAND FILLED JOINTS AND FRACTURES grayish white, trace rusty brown moderately hard to hard Vuggy to porous 20' 2700' *** psi 30' 3200' *** psi 35' BOTTOM OF BORING	1 SS 8 13 18 5000' 2 SS 12 10 13 7000' 3 SS 8 12 22 7000' 4 SS 10 14 18 8000' 5 SS 12 5 24 2000' 6 SS 1 20 12 7 DB 100% RQD 39% 8 DB 98% RQD 38%			
WATER LEVEL OBSERVATIONS, ft. WL 17.5 WS AB Tterracon		BORING STARTED 9-16-03 BORING COMPLETED 9-16-03 RIG MADS 48 FOREMAN Larry APPROVED NRL JOB # 11035176		

LOG OF BORING NO. 2		Page 1 of 1		
CLIENT		PROJECT		
Teng & Associates, Inc. High Road and 143rd Street Lockport, Illinois		High Road Bridge Replacement		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 800 ft. 0.5' Approx. 10" Asphalt pavement LEAN CLAY, TRACE SAND AND GRAVEL brown, trace brownish gray stiff to very stiff 14' HIGHLY WEATHERED TO WEATHERED LIMESTONE, WITH CLAY AND SAND FILLED JOINTS AND FRACTURES grayish white, trace rusty brown moderately hard to hard Vuggy to porous 15' 6 SS 6 20 18 6 DB 100% RQD 15% 25' 7 DB 100% RQD 45% 2500' *** psi 30' 3200' *** psi 35' BOTTOM OF BORING	1 SS 8 13 23 5000' 2 SS 8 7 22 3500' 3 SS 7 13 12 6000' 4 SS 10 7 20 3500' 6 SS 6 20 18 6 DB 100% RQD 15% 7 DB 100% RQD 45% 8 DB 98% RQD 2%			
WATER LEVEL OBSERVATIONS, ft. WL 13.5 WS AB Tterracon		BORING STARTED 9-16-03 BORING COMPLETED 9-16-03 RIG MADS 48 FOREMAN Larry APPROVED NRL JOB # 11035176		

LOG OF BORING NO. AB-1		Page 1 of 1		
CLIENT		PROJECT		
Teng High Road over Long Run Creek Lockport, Illinois		High Road Bridge Retaining Walls		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 618.0 ft. Approx. 14" Asphalt 12' 12.5' Approx. 4" Crushed stone base course LEAN CLAY, TRACE SAND TO SANDY LEAN CLAY, TRACE GRAVEL , grayish brown, brown and dark brown, hard to very stiff (Possible Fill) 5' LEAN CLAY, TRACE SAND AND GRAVEL , brown, very stiff 10' 13' LEAN CLAY, TRACE SAND AND GRAVEL , gray, very stiff 15' BOTTOM OF BORING Split spoon refusal at 18.5 feet on probable bedrock	1 SS 14 15 17 9000' 2 SS 6 13 13 7000' 3 SS 14 8 19 4000' 4 SS 18 10 17 5000' 5 SS 18 12 16 8000' 6 SS 8 14 16 6500' 7 SS 12 15 11 8000' 8 SS NR 500'			
WATER LEVEL OBSERVATIONS, ft. WL 13 WD 15 AB Tterracon		BORING STARTED 12-14-06 BORING COMPLETED 12-14-06 RIG 94 FOREMAN MD APPROVED SAB JOB # 11066250		

LOG OF BORING NO. AB-2		Page 1 of 1		
CLIENT		PROJECT		
Teng High Road over Long Run Creek Lockport, Illinois		High Road Bridge Retaining Walls		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 613.5 ft. Approx. 8" Topsoil Approx. 4" Crushed stone base course LEAN CLAY, TRACE SAND TO SANDY LEAN CLAY, TRACE GRAVEL , brown, very stiff (Possible Fill) 6' LEAN CLAY, TRACE SAND AND GRAVEL , brown, very stiff 10.5' GRAVELLY SAND , brown, medium dense (possible highly weathered limestone) 13.5' BOTTOM OF BORING Split spoon refusal at 13.5 feet on probable weathered rock	1 SS 8 10 12 6000' 2 SS 14 7 17 9000' 3 SS NR 6 18 17 4 SS 14 7 22 5000' 5 SS 10 24 5 6 SS NR 500'			
WATER LEVEL OBSERVATIONS, ft. WL 12 WS 12.5 AB Tterracon		BORING STARTED 12-14-06 BORING COMPLETED 12-14-06 RIG 94 FOREMAN MD APPROVED SAB JOB # 11066250		

LOG OF BORING NO. AB-3		Page 1 of 1		
CLIENT		PROJECT		
Teng High Road over Long Run Creek Lockport, Illinois		High Road Bridge Retaining Walls		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 612.5 ft. Approx. 12" Asphalt Approx. 3" Crushed stone base course LEAN CLAY, TRACE TO WITH SAND, TRACE GRAVEL , brown, very stiff (Possible Fill) 8' LEAN CLAY, WITH SAND, TRACE GRAVEL , brown, stiff 10' GRAVELLY FINE TO MEDIUM SAND , brown, medium dense (possible highly weathered limestone) 13' BOTTOM OF BORING Auger refusal at 13 feet on apparent weathered limestone	1 SS 10 11 20 4000' 2 SS 8 14 12 9000' 3 SS 14 9 21 6000' 4 SS 12 4 24 2500' 5 SS 8 28 4			
WATER LEVEL OBSERVATIONS, ft. WL 10 WS 12 AB Tterracon		BORING STARTED 12-14-06 BORING COMPLETED 12-14-06 RIG 94 FOREMAN MD APPROVED SAB JOB # 11066250		

LOG OF BORING NO. AB-4		Page 1 of 1		
CLIENT		PROJECT		
Teng High Road over Long Run Creek Lockport, Illinois		High Road Bridge Retaining Walls		
DEPTH, ft.	USCS SYMBOL	SAMPLES		TESTS
		NUMBER	TYPE	
DESCRIPTION	RECOVERY, ft.	SPT "N" BELOW / ft.	WATER CONTENT, %	DRY UNIT WT, pcf
Approx. Surface Elev.: 611.0 ft. Approx. 12" Asphalt 1.5' 1.5' Approx. 5" Crushed stone base course LEAN CLAY, WITH SAND, TRACE GRAVEL , brown, very stiff to stiff (Possible Fill) 5' LEAN CLAY, WITH SAND, TRACE GRAVEL AND ORGANICS , dark brown/gray (Possible Buried Topsoil) 10' SAND, WITH GRAVEL , brown, medium dense (possible highly weathered limestone) 13' BOTTOM OF BORING Split spoon refusal at 19 feet on probably bedrock	1 SS 15 7 17 9000' 2 SS 10 8 19 4000' 3 SS 14 5 18 4000' 4 SS 6 10 18 3000' 5 SS 10 5 21 4000' 6 SS 16 4 20 2000' 7 SS 5 20 7 8 SS NR 600'			
WATER LEVEL OBSERVATIONS, ft. WL 11 WS 14 AB Tterracon		BORING STARTED 12-14-06 BORING COMPLETED 12-14-06 RIG 94 FOREMAN MD APPROVED SAB JOB # 11066250		

SHT. S-27 OF 28

REVISIONS	
NAME	DATE

LOCKPORT TOWNSHIP HIGHWAY DEPARTMENT
 TR216A HIGH ROAD OVER LONG RUN CREEK
 SECTION 02-11106-01-BR

SOIL BORING LOGS 1

SCALE: DATE: 9-07-2007

DRAWN BY: ---
 CHECKED BY: JRB

TENG
 TENG & ASSOCIATES, INC.
 21000 N. WISCONSIN ST., CHICAGO, IL 60647
 TEL: 773.442.4400

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